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| | Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|------|-------|------|--|---|------------------|---------|------------------|
| SCAM | S80 | 1 | "20020143602".pn. | US-PGPUB; USPAT | OR | ON | 2006/05/18 07:01 |
| — | S1 | 2436 | project adj (manage\$ plan planning estimat\$ progress status analysis assesment) | US-PGPUB; USPAT | OR | ON | 2006/05/18 07:01 |
| — | S81 | 0 | ("2002/0143602").URPN. | USPAT | OR | ON | 2006/05/18 07:02 |
| — | S87 | 0 | ((requirement\$4 or specification\$4 or document) near3 (stabil\$4 or instabil\$4 or volatil\$4 or uncertain\$3 or rework\$4) same (metric or measure)).ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 07:04 |
| SCAM | S86 | 2 | ((requirement\$4 or specification\$4 or document) near3 (stabil\$4 or instabil\$4 or volatil\$4 or uncertain\$3 or rework\$4) same (metric or measure)).clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 07:04 |
| | S85 | 3 | (chappel and oscar).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 07:04 |
| | S84 | 1 | (chris and creel).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 07:04 |
| | S83 | 94 | (perot).as. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 07:04 |
| | S88 | 8 | ((requirement\$4 or specification\$4 or document) near3 (stabil\$4 or instabil\$4 or volatil\$4 or uncertain\$3 or rework\$4) same (metric or measure)).ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 07:05 |
| | S89 | 1 | S83 and S82 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 07:06 |
| | S94 | 4 | S82 and S90 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 07:07 |

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| SCAN | S93 | 2 | S82 and S92 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 07:07 |
| INTERFERENCE SEARCH S92 | | 2054 | 705/10.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 07:07 |
| SCAN | S91 | 4 | S90 and S82 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 07:07 |
| - | S90 | 3915 | requirement near2 (engineering or management) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 07:07 |
| - | S95 | 0 | ("2003/0101089").URPN. | USPAT | OR | ON | 2006/05/18 07:08 |
| | S82 | 198 | (requirement\$4 or specification\$4 or document) near3 (stabil\$4 or instabil\$4 or volatil\$4 or uncertain\$3 or rework\$4) same (metric or measure) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 07:13 |
| SCAN | S96 | 1 | S82 and (project adj management) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 08:52 |
| - | L3 | 3915 | requirement near2 (engineering or management) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 08:53 |
| SCAN | L2 | 115 | l1 and "705"/.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 08:53 |
| - | L1 | 1636 | ((document specification) near2 (evaluat\$4 anal\$5)) same (metric measure progress status stabil\$4 instabil\$4 volatil\$4 rework\$4 chang\$3 evol\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 08:53 |

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| L5 | 49 | l1 and (project adj management) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 08:54 |
| L4 | 33 | l1 and L3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 08:54 |
| L6 | 28 | ("5072379" "5446895" "5524077" "5526516" "5655074" "5680557" "5729746" "5778397" "5799304" "5832532" "5835087" "5864480" "5880959" "5892951" "5903453" "5911134" "5918207" "5960407" "6008817" "6044354" "6070143" "6115691" "6131091" "6134563" "6212494" "6289255" "6349316").PN. OR ("6715130").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/18 08:58 |
| L8 | 104 | l7 and l1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 09:01 |
| L7 | 17467 | (node tree leaf leaves branch) near3 (measure metric analy\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 09:01 |
| S52 | 21911 | (document artifact deliverable specification) near3 (metrics values statistics stats) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 09:06 |
| L13 | 2267 | ((document artifact deliverable specification) near3 (metrics values statistics stats)).clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 09:07 |
| L11 | 3715 | project adj (manage\$ plan planning estimat\$ progress status analysis assesment) | US-PGPUB; USPAT | OR | ON | 2006/05/18 09:07 |
| L10 | 68 | (l1 l3) and l9 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 09:07 |

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| L9 | 244 | (document artifact deliverable specification) near3 (metrics values statistics stats) and (requirement adj (spec or document or specification)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 09:07 |
| L12 | 36 | I9 and L11 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 09:08 |
| L14 | 11 | ("5655074" "5729746" "5903453" "6128773" "6219805" "6516337" "6550053" "6651244" "6658643" "6662357" "6851107").PN. OR ("7003766"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/18 09:09 |
| L15 | 0 | ("2006/0095841").URPN. | USPAT | OR | ON | 2006/05/18 09:14 |

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doi.ieeecomputersociety.org/-10.1109/ASWEC.2000.844575

nurmuliani zowghi

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5/10/06




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Requirements volatility and defect density.

Accession number & update

0006431184 20051201.

Conference information

Proceedings 10th International Symposium on Software Reliability Engineering, Boca Raton, FL, USA, 1–4 Nov. 1999.
Sponsor(s): Lucent Technol; AT&T; IBM; Reliable Software Technol.

Source

Proceedings 10th International Symposium on Software Reliability Engineering (Cat. No.PR00443), 1999, p. 285–94, 16 refs, pp. xii+304, ISBN: 0-7695-0443-4. Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA.

Author(s)

Malaiya-Y-K, Denton-J.

Author affiliation

Malaiya, Y.K., Denton, J., Dept. of Comput. Sci., Colorado State Univ., Fort Collins, CO, USA.

Abstract

Ideally the **requirements** for a software system should be completely and unambiguously determined before design, coding and testing take place. In practice, often there are changes in the **requirements**, causing software components to be redesigned, deleted or added. This **requirements volatility** causes the software to have a higher defect density. In this paper we analytically examine the influence of **requirement** changes taking place during different times by examining the consequences of software additions, removals and modifications. We take into account interface defects which arise due to errors at the interfaces among software sections. We compare the resulting defect density in the presence of **requirement volatility**, with the defect density that would have resulted had **requirements** not changed. The results show that if the **requirement** changes take place close to the release date, there is a greater impact on defect density. In each case we compute the defect equivalence factor representing the overall impact of **requirement volatility**.

Descriptors

FORMAL-SPECIFICATION; SOFTWARE-RELIABILITY.

Classification codes

C6110B Software-engineering-techniques*;
C6110F Formal-methods.

Keywords

requirements; software-system; **requirements-volatility**; defect-density; interface-defects; defect-equivalence-factor.

Treatment codes

T Theoretical-or-mathematical.

Language

English.

Publication type

Conference-proceedings.

Availability

CCCC: 0 7695 0443 4/99/\$10.00.

Digital object identifier

10.1109/ISSRE.1999.809334.

Publication year

1999.

Publication date

19990000.

Edition

1999048.

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Characterizing stability in evolving frameworks.

Accession number & update

0006319902 20051201.

Conference information

Proceedings of TOOLS Europe '99: Technology of Object Oriented Languages and Systems. 29th International Conference, Nancy, France, 7–10 June 1999.

Sponsor(s): Interactive Software Eng.

Source

Proceedings Technology of Object–Oriented Languages and Systems. TOOLS 29 (Cat. No.PR00275), 1999, p. 118–30, 15 refs, pp. xii+425, ISBN: 0–7695–0275–X. Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA.

Author(s)

Mattsson–M, Bosch–J. Editor(s): Mitchell–R, Wills–A–C, Bosch–J, Meyer–B.

Author affiliation

Mattsson, M., Bosch, J., Dept. of Software Eng. & Comput. Sci., Karlskrona Univ., Ronnerby, Sweden.

Abstract

Object–oriented application frameworks present one of the most successful approaches to developing reusable assets in industry, but developing frameworks is both difficult and expensive. Frameworks generally evolve through a number of iterations due to the incorporation of new **requirements** and better domain understanding. Since changes to frameworks have a large impact on the applications build based on the asset, it is important to assess the **stability** of a framework. Recently, an approach for assessing framework **stability** has been proposed. We have extended and applied the assessment approach on one proprietary telecommunication framework and two commercial GUI application frameworks. Based on our findings we formulate a set of hypotheses, which characterize the **stability** of an object–oriented application framework. We believe these hypotheses to be the most promising ones for further studies of framework **stability**.

Descriptors

GRAPHICAL–USER–INTERFACES; OBJECT–ORIENTED–METHODS; OBJECT–ORIENTED–PROGRAMMING; SOFTWARE–REUSABILITY; **STABILITY**; TELECOMMUNICATION–COMPUTING.

Classification codes

C6110J Object–oriented–programming*;
C6110F Formal–methods;
C6110B Software–engineering–techniques;
C7410F Communications–computing;
C6180G Graphical–user–interfaces.

Keywords

object–oriented–application–frameworks; reusable–assets; evolving–frameworks; iterations; **new**–requirements; domain–understanding; **stability**–assessment; proprietary–telecommunication–framework; commercial–GUI–application–frameworks; hypotheses.

Treatment codes

P Practical.

Language

English.

Publication type

Conference–proceedings.

Availability

CCCC: 0 7695 0275 X/99/\$10.00.

Digital object identifier

10.1109/TOOLS.1999.779005.

Publication year

1999.

Publication date

19990000.

Edition

1999031.

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A case study in the use of theory revision in requirements validation.

Accession number & update

0006288039 20051201.

Conference information

Proceedings of Machine Learning (ICML-98), Madison, WI, USA, 24-27
July 1998.

Source

Machine Learning. Proceedings of the Fifteenth International Conference (ICML'98), 1998, p. 368-76, 21
refs, pp. x+580. Publisher: Morgan Kaufmann Publishers, San Francisco, CA, USA.

Author(s)

McCluskey-T-L, West-M-M. Editor(s): Shavlik-J.

Author affiliation

McCluskey, T.L., West, M.M., Sch. of Comput. & Math., Huddersfield Polytech., UK.

Abstract

Research emanating from artificial intelligence has throughout its history contributed to techniques and ideas in software engineering. We describe a case study showing the use of theory **revision** to the refinement of a formally specified **requirements** model. In a previous project we were contracted to create a precise model of the complex criteria governing the separation of aircraft profiles in Atlantic Airspace. During that work it became clear that the (automated) validation of the model was of the utmost importance, and in our current project we have used machine learning tools to provide extra support in bug identification, bug removal and maintenance of such a **requirements** model. We give an overview of the domain, identify a relevant learning bias which makes search for **revisions** tractable, and describe a systematic approach for the application of theory **revision** to such a model. We illustrate the approach with results of experiments where theory **revision** techniques have identified and removed errors, and induced a new part of the model.

Descriptors

COMPUTATIONAL-COMPLEXITY; FORMAL-SPECIFICATION; LEARNING-ARTIFICIAL-
INTELLIGENCE; PROGRAM-VERIFICATION.

Classification codes

C6110F Formal-methods*;
C6150G Diagnostic-testing-debugging-and-evaluating-systems;
C4240C Computational-complexity;
C6170K Knowledge-engineering-techniques.

Keywords

theory-revision; **requirements**-validation; artificial-intelligence;
software-engineering; **formally**-specified-requirements-model; Atlantic-
Airspace; automated-validation; machine-learning-tools; bug-
identification; bug-removal; maintenance; **requirements**-model;
learning-bias; systematic-approach.

Treatment codes

P Practical.

Language

English.

Publication type
Conference-proceedings.
Publication year
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Publication date
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A logical framework for modeling and reasoning about the evolution of requirements.

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0005496535 20051201.

Conference information
Proceedings of ISRE '97: 3rd IEEE International Symposium on
Requirements Engineering, Annapolis, MD, USA, 6–10 Jan. 1997.
Sponsor(s): IEEE Comput Soc. Tech. Council on Software Eng; ACM
SIGSOFT; IFIP Working Group 2.9.

Source
Proceedings of the Third IEEE International Symposium on **Requirements Engineering** (Cat. No.97TB100086), 1997, p. 247–57, 30 refs, pp. xv +267, ISBN: 0–8186–7740–6. Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA.

Author(s)
Zowghi–D, Offen–R.

Author affiliation
Zowghi, D., Offen, R., Joint Res. Centre for Adv. Syst. Eng., Macquarie Univ., North Ryde, NSW, Australia.

Abstract
We present a logical framework for modeling and reasoning about the evolution of **requirements**. We demonstrate how a sufficiently rich meta level logic can formally capture intuitive aspects of managing changes to **requirements** models, while maintaining completeness and consistency. We consider a theory as the deductive closure of a given set of axioms and conclude that software engineering is concerned, in essence, with, building and managing large theories. This theory construction commences with the development of the **requirements** model which we view as a theory of some nonmonotonic logic. **Requirements** evolution then involves the mapping of one such theory to another. Exploiting the deductive power of the theory of belief **revision** and nonmonotonic reasoning we develop a formal description of this mapping, as well as the **requirements** engineering process itself. This work thus offers a rigorous approach to reasoning about **requirements** evolution and a important focus for defining semantically well founded methods and tools for the effective management of changing **requirements**.

Descriptors
BELIEF–MAINTENANCE; FORMAL–LOGIC; FORMAL–SPECIFICATION; NONMONOTONIC–REASONING.

Classification codes
C6110F Formal–methods*;
C6170K Knowledge–engineering–techniques;
C4210 Formal–logic.

Keywords
logical–framework; **requirements**–evolution; meta–level–logic;
intuitive–aspects; deductive–closure; software–engineering; large–theories; theory–construction; **requirements**–model; nonmonotonic–logic;
belief–revision; nonmonotonic–reasoning; formal–description;

requirements–engineering–process; semantically–well–founded–methods;
changing–requirements–management.

Treatment codes

P Practical.

Language

English.

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Strategies for managing requirements creep.

Dialog eLinks

USPTO Full Text Retrieval Options



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Source

Computer, {Computer–USA}, June 1996, vol. 29, no. 6, p. 92–4, 0 refs, CODEN: CPTRB4, ISSN: 0018–9162. Publisher: IEEE Comput. Soc, USA.

Author(s)

Jones–C.

Abstract

One of the most chronic problems in software development is the fact that application **requirements** are almost never stable and fixed. Frequent changes in **requirements** are not always caused by capricious clients (although sometimes they are). The root cause of **requirements**

unknown

> **volatility** is that many applications are attempting to automate domains that are only partly understood. As software design and development proceeds, the process of automation begins to expose these ill–defined situations. Therefore, although creeping **requirements** are troublesome, they are often a technical necessity. Several threads of research and some emerging technologies are aimed at either clarifying **requirements** earlier in development or minimizing the disruptive effect of changing **requirements** later.

Descriptors

SOFTWARE–DEVELOPMENT–MANAGEMENT; SYSTEMS–ANALYSIS.

Classification codes

C0310F Software–development–management*;

C6110 Systems–analysis–and–programming.

Keywords

requirements–creep; software–development; **application**–requirements–changes; **requirements**–volatility; partly–understood–domains; software–design; automation; ill–defined–situations; disruptive–effect; **requirements**–clarification; management–strategies.

Treatment codes

P Practical.

Language

English.

Publication type

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Change analysis: a step towards meeting the challenge of changing requirements.

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Proceedings IEEE Symposium and Workshop on Engineering of Computer–Based Systems, Friedrichshafen, Germany, 11–15 March 1996.

Sponsor(s): IEEE Comput. Soc. Tech. Committee on Eng. of Comput.–Based Syst; Deutsche Forschungsgemeinschaft, DFG; Eur. Software Process Improvement Training Initiative, ESPITI; Gesellschaft fur Inform., GI e.V; Land Baden–Wurtemberg; Univ. (TH) Karlsruhe.

Source

Proceedings IEEE Symposium and Workshop on Engineering of Computer–Based Systems (Cat. No.96TB100022), 1996, p. 278–83, 10 refs, pp. xi +465, ISBN: 0–8186–7355–9. Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA.

Author(s)

Strens–M–R, Sugden–R–C.

Author affiliation

Strens, M.R., Sugden, R.C., Centre for Software Reliability, Newcastle upon Tyne Univ., UK.

Abstract

Changing **requirements** are a major source of risk to software development projects, but are generally not included in hazard identification and risk assessment procedures at present because the information needed is not collected or recorded by current **requirements** methods. It is proposed that change analysis should be an integral part of the entire development process so that change can be handled in a better–informed way with the associated risks being made apparent. Sensitivity analysis is proposed as the principal means of predicting two categories of hazard: which **requirements** are unstable and which design areas are most susceptible to changes in **requirements**. Impact analysis supports the decision–making process concerning the implementation of changes, and is also used to predict the impact of potential change for the assessment of risk. The paper considers what information is needed to

enable sensitivity and impact analysis to provide an effective means of change analysis and what methods provide such information, emphasising the importance of traceability and the capture of design rationale. Because the potential for change would be made apparent early in the lifecycle the outcome should be a substantial contribution towards the goal of minimising the adverse impact of changing **requirements** on the project objectives.

Descriptors

MANAGEMENT-OF-CHANGE; PROJECT-MANAGEMENT; RISK-MANAGEMENT;
SENSITIVITY-ANALYSIS; SOFTWARE-DEVELOPMENT-MANAGEMENT; SYSTEMS-
ANALYSIS.

Classification codes

C0310F Software-development-management*;
C6110 Systems-analysis-and-programming.

Keywords

change-analysis; **changing**-requirements; software-development-projects;
hazard-identification; risk-assessment; sensitivity-analysis;
requirement-instability; design-areas; impact-analysis; decision-
making-process; traceability; design-rationale-capture.

Treatment codes

G General-or-review.

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Requirements and traceability management.

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Software for Guidance and Control (AGARD-CP-503), Thessaloniki,
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Source

Software for Guidance and Control (AGARD-CP-503), 1991, p. 4/1-5, 2 refs, pp. vii+248. Publisher:
AGARD, Neuilly sur Seine, France.

Author(s)

Cross-G-M.

Author affiliation

Cross, G.M., Marconi Underwater Syst. Ltd., Weybridge.

Abstract

A discussion is given of the contribution of **requirements** traceability to the system development process in risk reduction and **rework** avoidance and the impact on all phases of project development from

requirements capture through to customer acceptance and subsequent maintenance. By update of the traditional lifecycle model, the author shows how the RTM (**requirements** and traceability management) product builds a system development environment addressing these issues and improving the benefits to users of many of today's leading CASE tools by more effective integration, with a total lifecycle coverage.

Descriptors

PROGRAMMING-ENVIRONMENTS; SOFTWARE-TOOLS; SYSTEMS-ANALYSIS.

Classification codes

C6110 Systems-analysis-and-programming*;
C0310F Software-development-management;
C6115 Programming-support.

Keywords

requirements-traceability; system-development-process; risk-reduction;
rework-avoidance; project-development; **requirements**-capture; customer-acceptance; traditional-lifecycle-model; system-development-environment; CASE-tools; total-lifecycle-coverage.

Treatment codes

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Supporting document development with Concordia.

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Proceedings of the Twenty-First Annual Hawaii International Conference on System Sciences. Vol.II. Software Track (Cat. No.88TH0212-1), Kailua-Kona, HI, USA, 5-8 Jan. 1988.
Sponsor(s): Univ. Hawaii; ACM; IEEE; Pacific Res. Inst. Inf. Syst. & Manage.

Source

Proceedings of the Twenty-First Annual Hawaii International Conference on System Sciences. Vol.II. Software Track (Cat. No.88TH0212-1), 1988, p. 355-64, 9 refs, pp. xvi+806, ISBN: 0-8186-0842-0. Publisher: IEEE Comput. Soc. Press, Washington, DC, USA.

Author(s)

Walker-J-H. Editor(s): Shriver-B-D.

Author affiliation

Walker, J.H., Symbolics Inc., Cambridge, MA, USA.

Abstract

A description is given of Concordia, the development environment used by technical writers at Symbolics, Inc. Concordia integrates the facilities needed to create, **revise**, publish, distribute, and maintain very large **document** sets. The **document** sources are maintained using a semblance editor that combines some of the user interface convenience of a 'what you see is what you get' (WYSIWYG) editor with the

DataStar Documents

expressive power of a generic markup language. The editor provides the means for independently manipulating the structure, content, and appearance of a **document**.

Descriptors

DATABASE-MANAGEMENT-SYSTEMS; ELECTRONIC-PUBLISHING; SYSTEM-DOCUMENTATION; USER-INTERFACES.

Classification codes

C6160Z Other-DBMS*;
C7230 Publishing-and-reproduction.

Keywords

electronic-publishing; software-development-environment-extension;
document-development; Concordia; development-environment; technical-writers; Symbolics; **large**-document-sets; semblance-editor; user-interface; WYSIWYG; generic-markup-language.

Treatment codes

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Language

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Search Strategy

| No. | Database | Search term | Info added since | Results |
|-----|----------|--|------------------|---------|
| 1 | INZZ | requirement | unrestricted | 58538 |
| 2 | INZZ | requirement ADJ management | unrestricted | 61 |
| 3 | INZZ | 2 | unrestricted | 61 |
| 4 | INZZ | SYSTEMS-ANALYSIS#.DE. OR FORMAL-SPECIFICATION#.DE. OR SOFTWARE-DEVELOPMENT- MANAGEMENT#.DE. OR FORMAL- VERIFICATION#.DE. OR SOFTWARE-ENGINEERING#.DE. OR SOFTWARE-PROCESS- IMPROVEMENT#.DE. OR SOFTWARE-METRICS#.DE. OR PROJECT-MANAGEMENT#.DE. OR SOFTWARE-MANAGEMENT#.DE. OR SYSTEMS-ENGINEERING#.DE. | unrestricted | 170310 |
| 5 | INZZ | (requirement\$2 OR document) ADJ near\$3 ADJ (metric OR metrics) AND (stabil\$3 OR instabil\$3 OR volatil\$3 OR rework OR revis\$4) | unrestricted | 0 |
| 6 | INZZ | (requirement\$2 OR document) NEAR (metric OR metrics) AND (stabil\$3 OR instabil\$3 OR volatil\$3 OR rework OR revis\$4) | unrestricted | 10 |
| 7 | INZZ | (requirement\$ OR document OR specification) AND (metric OR metrics) AND (stabil\$ OR instabil\$ OR volatil\$ OR rework OR revis\$) | unrestricted | 28 |
| 8 | INZZ | cc=C6110S | unrestricted | 0 |
| 9 | INZZ | software ADJ metrics | unrestricted | 4823 |
| 10 | INZZ | SOFTWARE-METRICS#.DE. | unrestricted | 4380 |
| 11 | INZZ | (requirement\$2 OR document) SAME (stabil\$3 OR instabil\$3 OR volatil\$3 OR rework OR revis\$4) | unrestricted | 11869 |
| 12 | INZZ | (requirement\$2 OR document) SAME (stabil\$3 OR instabil\$3 OR volatil\$3 OR rework OR revis\$4) | unrestricted | 11869 |
| 13 | INZZ | 12 AND 4 | unrestricted | 454 |

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| 14 | INZZ | limit set 13 YEAR < 2000 | unrestricted | 258 |
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